AMENDMENTS TO THE CLAIMS

l	1.	(Currently Amended) In a system comprising at least one application and a
2		framework, a method performed by the framework comprising:
3		receiving a request from the application for a customized implementation of a
4		service;
5		determining a set of zero or more restrictions to be imposed upon said customized
6		implementation;
7		dynamically constructing said customized implementation, said customized
8		implementation incorporating said restrictions, and comprising
9		enforcement logic for enforcing said restrictions; and
10		providing said customized implementation to the application;
11		wherein said customized implementation is invocable by the application without
12		further interaction with the framework; and
13		wherein determining the set of zero or more restrictions comprises:
14		accessing information specifying one or more limitations;
15		determining permissions, if any, granted to the application; and
16		reconciling said limitations and said permissions to derive said
17		restrictions.
1	2.	(Canceled)
1	3.	(Original) The method of claim 1, wherein the system further comprises a general
2		implementation for said service, wherein said general implementation is
3		unrestricted, and wherein said customized implementation further incorporates
4		said general implementation.

1	4.	(Original) The method of claim 3, wherein said enforcement logic enforces said
2		restrictions on said general implementation.
1	5.	(Original) The method of claim 1, wherein said enforcement logic is invoked
2		upon initialization of said customized implementation.
1	6.	(Currently Amended) The method of claim 5, wherein said enforcement logic,
2		when invoked:
3		receives a set of desired parameters from the application;
4		determines whether the desired parameters exceed said restrictions; and
5		in response to a determination that the desired parameters exceed said restrictions,
6		preventing prevents said customized implementation from operating.
1	7.	(Currently Amended) The method of claim 5, wherein said service is an
2		encryption/decryption service, and wherein said enforcement logic, when
3		invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7		operating.
1	8.	(Canceled)
1	9.	(Currently Amended) The method of claim [[8]]1, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations.

1	10.	(Original) The method of claim 9, wherein said default encryption limitations are
2		derived by merging multiple jurisdiction policies and extracting therefrom the
3		most restrictive encryption limitations.
1	11.	(Canceled)
1	12.	(Currently Amended) The method of claim [[11]]1, wherein said limitations and
2		said permissions are reconciled to derive restrictions which are least restrictive.
1	13.	(Currently Amended) The method of claim [[11]]1, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations, and a set of zero or more exempt
4		encryption limitations which apply when one or more exemption mechanisms are
5	·	implemented.
1	14.	(Original) The method of claim 13, wherein said default encryption limitations
2	-	and said exempt encryption limitations are derived by merging multiple
3		jurisdiction policies and extracting therefrom the most restrictive encryption
4		limitations.
1	15.	(Original) The method of claim 13, wherein reconciling said limitations and said
2		permissions comprises:
3		determining whether the application has been granted any permissions; and
4		in response to a determination that the application has not been granted any
5		permissions, deriving said restrictions from said set of default encryption
6		limitations

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1	10.	(Original) The method of claim 13, wherein reconciling said initiations and said
2		permissions comprises:
3		determining whether the application has been granted any permissions which
4		require implementation of a particular exemption mechanism;
5		in response to a determination that the application has been granted a permission
6		which requires implementation of a particular exemption mechanism,
7		determining whether said exempt encryption limitations allow said
8		particular exemption mechanism to be implemented; and
9		in response to a determination that said exempt encryption limitations allow said
10		particular exemption mechanism to be implemented, deriving said
11		restrictions from said set of exempt encryption limitations.
1	17.	(Original) The method of claim 1, wherein the system further comprises a general
2		implementation for said service, and wherein dynamically constructing said
3		customized implementation comprises:
4		instantiating the general implementation to give rise to a general implementation
5		instance;
6		instantiating a wrapper object; and
7		encapsulating said general implementation instance and said restrictions within
8		said wrapper object to derive said customized implementation.
1	18.	(Original) The method of claim 17, wherein said wrapper object comprises one or
2		more invocable methods, wherein said general implementation instance comprises
3		one or more invocable methods, and wherein encapsulating comprises:
1		mapping one or more of the invocable methods of said wrapper object to one or
2		more of the invocable methods of said general implementation instance.

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1	19.	(Original) The method of claim 18, wherein said wrapper object comprises
2		initialization logic for enforcing said restrictions on said general implementation
3		instance.
1	20.	(Original) The method of claim 19, wherein said initialization logic is invoked
2		prior to allowing any of the invocable methods of said general implementation
3		instance to be invoked.
1	21.	(Original) The method of claim 17, further comprising:
2		instantiating an exemption mechanism to give rise to an exemption mechanism
3		instance; and
4		encapsulating said exemption mechanism instance within said wrapper object.
1	22.	(Currently Amended) In a system comprising at least one application, a
2		framework comprising:
3		a mechanism for receiving a request from the application for a customized
4		implementation of a service;
5		a mechanism for determining a set of zero or more restrictions to be imposed
6		upon said customized implementation;
7		a mechanism for dynamically constructing said customized implementation, said
8		customized implementation incorporating said restrictions, and comprising
9		enforcement logic for enforcing said restrictions; and
10		a mechanism for providing said customized implementation to the application;
11		wherein said customized implementation is invocable by the application without
12		further interaction with the framework; and
13		wherein the mechanism for determining the set of zero or more restrictions
14		comprises:

15		a mechanism for accessing information specifying one or more
16		limitations;
17		a mechanism for determining permissions, if any, granted to the
18		application; and
19		a mechanism for reconciling said limitations and said permissions to
20		derive said restrictions.
1	23.	(Canceled)
1	24.	(Original) The framework of claim 22, wherein the system further comprises a
2		general implementation for said service, wherein said general implementation is
3		unrestricted, and wherein the mechanism for dynamically constructing said
4		customized implementation further incorporates said general implementation
5	,	within said customized implementation.
1	25.	(Original) The framework of claim 24, wherein said enforcement logic enforces
2		said restrictions on said general implementation.
1	26.	(Original) The framework of claim 22, wherein said enforcement logic is invoked
2		upon initialization of said customized implementation.
1	27.	(Currently Amended) The framework of claim 26, wherein said enforcement
2		logic, when invoked:
3		receives a set of desired parameters from the application;
4		determines whether the desired parameters exceed said restrictions; and
5		in response to a determination that the desired parameters exceed said restrictions,
6		preventing prevents said customized implementation from operating.

1	28.	(Currently Amended) The framework of claim 26, wherein said service is an
2		encryption/decryption service, and wherein said enforcement logic, when
3		invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7	•	operating.
1	29.	(Canceled)
1	30.	(Currently Amended) The framework of claim [[29]]22, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations.
1	31.	(Original) The framework of claim 30, wherein said default encryption limitations
2		are derived by merging multiple jurisdiction policies and extracting therefrom the
3		most restrictive encryption limitations.
1	32.	(Canceled)
1	33.	(Currently Amended) The framework of claim [[32]]22, wherein said limitations
2		and said permissions are reconciled to derive restrictions which are least
3		restrictive.
1	34.	(Currently Amended) The framework of claim [[32]]22, wherein said service is an
2		encryption/decryption service, and wherein said information comprises a set of
3		one or more default encryption limitations, and a set of zero or more exempt

4		encryption limitations which apply when one or more exemption mechanisms are
5		implemented.
1	35.	(Original) The framework of claim 34, wherein said default encryption limitations
2		and said exempt encryption limitations are derived by merging multiple
3		jurisdiction policies and extracting therefrom the most restrictive encryption
4		limitations.
1	36.	(Original) The framework of claim 34, wherein the mechanism for reconciling
2		said limitations and said permissions comprises:
3		a mechanism for determining whether the application has been granted any
4		permissions; and
5		a mechanism for deriving, in response to a determination that the application has
6		not been granted any permissions, said restrictions from said set of default
7		encryption limitations.
1	37.	(Original) The framework of claim 34, wherein the mechanism for reconciling
2		said limitations and said permissions comprises:
3		a mechanism for determining whether the application has been granted any
4		permissions which require implementation of a particular exemption
5		mechanism;
6		a mechanism for determining, in response to a determination that the application
7		has been granted a permission which requires implementation of a
8		particular exemption mechanism, whether said exempt encryption
9		limitations allow said particular exemption mechanism to be implemented;
0		and

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11		a mechanism for deriving, in response to a determination that said exempt
12		encryption limitations allow said particular exemption mechanism to be
13		implemented, said restrictions from said set of exempt encryption
14		limitations.
1	38.	(Original) The framework of claim 22, wherein the system further comprises a
2		general implementation for said service, and wherein the mechanism for
3		dynamically constructing said customized implementation comprises:
4		a mechanism for instantiating the general implementation to give rise to a general
5		implementation instance;
6		a mechanism for instantiating a wrapper object; and
7		a mechanism for encapsulating said general implementation instance and said
8		restrictions within said wrapper object to derive said customized
9		implementation.
1	39.	(Original) The framework of claim 38, wherein said wrapper object comprises
2		one or more invocable methods, wherein said general implementation instance
3		comprises one or more invocable methods, and wherein the mechanism for
4		encapsulating comprises:
5		a mechanism for mapping one or more of the invocable methods of said wrapper
6		object to one or more of the invocable methods of said general
7		implementation instance.
1	40.	(Original) The framework of claim 39, wherein said wrapper object comprises
2		initialization logic for enforcing said restrictions on said general implementation
3		instance.

1	41.	(Original) The framework of claim 40, wherein said initialization logic is invoked
2		prior to allowing any of the invocable methods of said general implementation
3		instance to be invoked.
1	42.	(Original) The framework of claim 38, further comprising:
2		a mechanism for instantiating an exemption mechanism to give rise to an
3		exemption mechanism instance; and
4		a mechanism for encapsulating said exemption mechanism instance within said
5		wrapper object.
1	43.	(Currently Amended) In a system comprising at least one application, a computer
2		readable medium having stored thereon instructions which, when executed by one
3		or more processors, cause the one or more processors to implement a framework
4		which dynamically constructs a customized implementation of a service, said
5		computer readable medium comprising:
6		instructions for causing one or more processors to receive a request from the
7		application for a customized implementation of a service;
8		instructions for causing one or more processors to determine a set of zero or more
9		restrictions to be imposed upon said customized implementation;
10		instructions for causing one or more processors to dynamically construct said
11		customized implementation, said customized implementation
12		incorporating said restrictions, and comprising enforcement logic for
13		enforcing said restrictions; and
14		instructions for causing one or more processors to provide said customized
15		implementation to the application;

	wherein said customized implementation is invocable by the application without
	further interaction with the framework;
	wherein the instructions for causing one or more processors to determine the set
	of zero or more restrictions comprise:
	instructions for causing one or more processors to access information
	specifying one or more limitations;
	instructions for causing one or more processors to determine permissions,
	if any, granted to the application; and
	instructions for causing one or more processors to reconcile said
	limitations and said permissions to derive said restrictions.
44.	(Canceled)
45.	(Original) The computer readable medium of claim 43, wherein the system further
	comprises a general implementation for said service, wherein said general
	implementation is unrestricted, and wherein said customized implementation
	further incorporates said general implementation.
46.	(Original) The computer readable medium of claim 45, wherein said enforcement
	logic enforces said restrictions on said general implementation.
47.	(Original) The computer readable medium of claim 43, wherein said enforcement
	logic is invoked upon initialization of said customized implementation.
48.	(Currently Amended) The computer readable medium of claim 47, wherein said
	enforcement logic, when invoked:
	receives a set of desired parameters from the application;
	determines whether the desired parameters exceed said restrictions; and
	45. 46. 47.

5		in response to a determination that the desired parameters exceed said restrictions
6		preventing prevents said customized implementation from operating.
1	49.	(Currently Amended) The computer readable medium of claim 47, wherein said
2		service is an encryption/decryption service, and wherein said enforcement logic,
3		when invoked:
4		determines whether a particular exemption mechanism has been invoked; and
5		in response to a determination that the particular exemption mechanism has not
6		been invoked, preventing prevents said customized implementation from
7		operating.
1	50.	(Canceled)
1	51.	(Currently Amended) The computer readable medium of claim [[50]]43, wherein
2		said service is an encryption/decryption service, and wherein said information
3		comprises a set of one or more default encryption limitations.
1	52.	(Original) The computer readable medium of claim 51, wherein said default
2		encryption limitations are derived by merging multiple jurisdiction policies and
3		extracting therefrom the most restrictive encryption limitations.
1	53.	(Canceled)
1	54.	(Currently Amended) The computer readable medium of claim [[53]]43, wherein
2		said limitations and said permissions are reconciled to derive restrictions which
3		are least restrictive.
1	55.	(Currently Amended) The computer readable medium of claim [[53]]43, wherein
2		said service is an encryption/decryption service, and wherein said information

3		comprises a set of one or more default encryption limitations, and a set of zero or
4		more exempt encryption limitations which apply when one or more exemption
5		mechanisms are implemented.
1	56.	(Original) The computer readable medium of claim 55, wherein said default
2		encryption limitations and said exempt encryption limitations are derived by
3		merging multiple jurisdiction policies and extracting therefrom the most
4		restrictive encryption limitations.
1	57.	(Original) The computer readable medium of claim 55, wherein the instructions
2		for causing one or more processors to reconcile said limitations and said
3		permissions comprises:
4		instructions for causing one or more processors to determine whether the
5		application has been granted any permissions; and
6		instructions for causing one or more processors to derive, in response to a
7		determination that the application has not been granted any permissions,
8		said restrictions from said set of default encryption limitations.
1	58.	(Original) The computer readable medium of claim 55, wherein the instructions
2		for causing one or more processors to reconcile said limitations and said
3		permissions comprises:
4		instructions for causing one or more processors to determine whether the
5		application has been granted any permissions which require
6		implementation of a particular exemption mechanism;
7		instructions for causing one or more processors to determine, in response to a
8		determination that the application has been granted a permission which
9		requires implementation of a particular exemption mechanism, whether

10		said exempt encryption limitations allow said particular exemption
11		mechanism to be implemented; and
12		instructions for causing one or more processors to derive, in response to a
13		determination that said exempt encryption limitations allow said particular
14		exemption mechanism to be implemented, said restrictions from said set
15		of exempt encryption limitations.
1	59.	(Original) The computer readable medium of claim 43, wherein the system further
2		comprises a general implementation for said service, and wherein the instructions
3		for causing one or more processors to dynamically construct said customized
4		implementation comprises:
5		instructions for causing one or more processors to instantiate the general
6		implementation to give rise to a general implementation instance;
7		instructions for causing one or more processors to instantiate a wrapper object;
8		and
9		instructions for causing one or more processors to encapsulate said general
10		implementation instance and said restrictions within said wrapper object to
11		derive said customized implementation.
1	60.	(Original) The computer readable medium of claim 59, wherein said wrapper
2		object comprises one or more invocable methods, wherein said general
3		implementation instance comprises one or more invocable methods, and wherein
4		the instructions for causing one or more processors to encapsulate comprises:
5		instructions for causing one or more processors to map one or more of the
6		invocable methods of said wrapper object to one or more of the invocable
7		methods of said general implementation instance.

1	61.	(Original) The computer readable medium of claim 60, wherein said wrapper
2		object comprises initialization logic for enforcing said restrictions on said general
3		implementation instance.
1	62.	(Original) The computer readable medium of claim 61, wherein said initialization
2		logic is invoked prior to allowing any of the invocable methods of said general
3		implementation instance to be invoked.
1	63.	(Original) The computer readable medium of claim 59, further comprising:
2		instructions for causing one or more processors to instantiate an exemption
3		mechanism to give rise to an exemption mechanism instance; and
4		instructions for causing one or more processors to encapsulate said exemption
5		mechanism instance within said wrapper object.
1	64.	(Previously Presented) The method of claim 1, wherein said framework comprises
2		Java Cryptography Extension to Java Platform.
1	65.	(Previously Presented) The framework of claim 22, wherein said framework
2		comprises Java Cryptography Extension to Java Platform.
1	66.	(Previously Presented) The computer readable medium of claim 43, wherein said
2		framework comprises Java Cryptography Extension to Java Platform.